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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/837,344

DATE: 05/03/2001  
TIME: 11:58:27

Input Set : N:\Crf3\RULE60\09837344.txt  
Output Set: N:\CRF3\05032001\I837344.raw

#2.

## SEQUENCE LISTING

3 (1) GENERAL INFORMATION:  
5 (i) APPLICANT: GUERIN-MARCHAND, Claudine  
6 DRUILHE, Pierre  
8 (ii) TITLE OF INVENTION: PEPTIDE SEQUENCES SPECIFIC FOR THE  
9 HEPATIC STAGES OF P. FALCIPARUM BEARING EPITOPES CAPABLE  
10 OF STIMULATING THE T LYMPHOCYTES  
12 (iii) NUMBER OF SEQUENCES: 46  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: Burns, Doane, Swecker & Mathis  
16 (B) STREET: P.O. Box 1404  
17 (C) CITY: Alexandria  
18 (D) STATE: Virginia  
19 (E) COUNTRY: United States  
20 (F) ZIP: 22313-1404  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
28 (vi) CURRENT APPLICATION DATA:  
C--> 29 (A) APPLICATION NUMBER: US/09/837,344  
C--> 30 (B) FILING DATE: 19-Apr-2001  
31 (C) CLASSIFICATION:  
37 (vii) PRIOR APPLICATION DATA:  
34 (A) APPLICATION NUMBER: 08/462,625  
35 (B) FILING DATE:  
38 (A) APPLICATION NUMBER: FR 91 01286  
39 (B) FILING DATE: 05-FEB-1991  
41 (viii) ATTORNEY/AGENT INFORMATION:  
42 (A) NAME: McGowan, Malcolm K.  
43 (B) REGISTRATION NUMBER: 39,300  
44 (C) REFERENCE/DOCKET NUMBER: 010830-078  
46 (ix) TELECOMMUNICATION INFORMATION:  
47 (A) TELEPHONE: (703) 836-6620  
48 (B) TELEFAX: (703) 836-2021  
51 (2) INFORMATION FOR SEQ ID NO: 1:  
53 (i) SEQUENCE CHARACTERISTICS:  
54 (A) LENGTH: 17 amino acids  
55 (B) TYPE: amino acid  
56 (C) STRANDEDNESS: single  
57 (D) TOPOLOGY: linear  
59 (ii) MOLECULE TYPE: peptide  
61 (ix) FEATURE:  
62 (A) NAME/KEY: Peptide  
63 (B) LOCATION: 8  
64 (D) OTHER INFORMATION: /note= "Amino Acid 8 wherein Xaa is

ENTERED

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65 Glu or Gly."
67 (x) PUBLICATION INFORMATION:
68 (H) DOCUMENT NUMBER: WO 92/13884
69 (J) PUBLICATION DATE: 20-AUG-1992
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 73 Leu Ala Lys Glu Lys Leu Gln Xaa Gln Gln Ser Asp Leu Glu Gln Glu
74 1 5 10 15
76 Arg
78 (2) INFORMATION FOR SEQ ID NO: 2:
80 (i) SEQUENCE CHARACTERISTICS:
81 (A) LENGTH: 17 amino acids
82 (B) TYPE: amino acid
83 (C) STRANDEDNESS: single
84 (D) TOPOLOGY: linear
86 (ii) MOLECULE TYPE: peptide
88 (ix) FEATURE:
89 (A) NAME/KEY: Peptide
90 (B) LOCATION: 1
91 (D) OTHER INFORMATION: /note= "Amino Acid 1 wherein Xaa is
92 Ser or Arg."
94 (ix) FEATURE:
95 (A) NAME/KEY: Peptide
96 (B) LOCATION: 6
97 (D) OTHER INFORMATION: /note= "Amino Acid 6 wherein Xaa is
98 Glu or Asp."
100 (ix) FEATURE:
101 (A) NAME/KEY: Peptide
102 (B) LOCATION: 8
103 (D) OTHER INFORMATION: /note= "Amino Acid 8 wherein Xaa is
104 Arg or Leu."
106 (ix) FEATURE:
107 (A) NAME/KEY: Peptide
108 (B) LOCATION: 15
109 (D) OTHER INFORMATION: /note= "Amino Acid 15 wherein Xaa
110 is Glu or Gly."
112 (x) PUBLICATION INFORMATION:
113 (H) DOCUMENT NUMBER: WO 92/13884
114 (J) PUBLICATION DATE: 20-AUG-1992
116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
W--> 118 Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys Leu Gln Xaa Gln
119 1 5 10 15
121 Gln
123 (2) INFORMATION FOR SEQ ID NO: 3:
125 (i) SEQUENCE CHARACTERISTICS:
126 (A) LENGTH: 17 amino acids
127 (B) TYPE: amino acid
128 (C) STRANDEDNESS: single
129 (D) TOPOLOGY: linear
131 (ii) MOLECULE TYPE: peptide

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133      (ix) FEATURE:
134          (A) NAME/KEY: Peptide
135          (B) LOCATION: 2
136          (D) OTHER INFORMATION: /note= "Amino Acid 2 wherein Xaa is
137 Ser or Arg."
139      (ix) FEATURE:
140          (A) NAME/KEY: Peptide
141          (B) LOCATION: 7
142          (D) OTHER INFORMATION: /note= "Amino Acid 7 wherein Xaa is
143 Glu or Asp."
145      (ix) FEATURE:
146          (A) NAME/KEY: Peptide
147          (B) LOCATION: 9
148          (D) OTHER INFORMATION: /note= "Amino Acid 9 wherein Xaa is
149 Arg or Leu."
151      (ix) FEATURE:
152          (A) NAME/KEY: Peptide
153          (B) LOCATION: 16
154          (D) OTHER INFORMATION: /note= "Amino Acid 16 wherein Xaa
155 is Glu or Gly."
157      (x) PUBLICATION INFORMATION:
158          (H) DOCUMENT NUMBER: WO 92/13884
159          (J) PUBLICATION DATE: 20-AUG-1992
161      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 163      Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys Leu Gln Xaa
164          1             5             10             15
166          Gln
168 (2) INFORMATION FOR SEQ ID NO: 4:
170      (i) SEQUENCE CHARACTERISTICS:
171          (A) LENGTH: 17 amino acids
172          (B) TYPE: amino acid
173          (C) STRANDEDNESS: single
174          (D) TOPOLOGY: linear
176      (ii) MOLECULE TYPE: peptide
178      (ix) FEATURE:
179          (A) NAME/KEY: Peptide
180          (B) LOCATION: 3
181          (D) OTHER INFORMATION: /note= "Amino Acid 3 wherein Xaa is
182 Ser or Arg."
184      (ix) FEATURE:
185          (A) NAME/KEY: Peptide
186          (B) LOCATION: 8
187          (D) OTHER INFORMATION: /note= "Amino Acid 8 wherein Xaa is
188 Glu or Asp."
190      (ix) FEATURE:
191          (A) NAME/KEY: Peptide
192          (B) LOCATION: 10
193          (D) OTHER INFORMATION: /note= "Amino Acid 10 wherein Xaa
194 is Arg or Leu."

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196      (ix) FEATURE:
197          (A) NAME/KEY: Peptide
198          (B) LOCATION: 17
199          (D) OTHER INFORMATION: /note= "Amino Acid 17 wherein Xaa
200 is Glu or Gly."
202      (x) PUBLICATION INFORMATION:
203          (H) DOCUMENT NUMBER: WO 92/13884
204          (J) PUBLICATION DATE: 20-AUG-1992
206      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 208      Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys Leu Gln
209          1              5              10              15
W--> 211      Xaa
213      (2) INFORMATION FOR SEQ ID NO: 5:
215          (i) SEQUENCE CHARACTERISTICS:
216              (A) LENGTH: 17 amino acids
217              (B) TYPE: amino acid
218              (C) STRANDEDNESS: single
219              (D) TOPOLOGY: linear
221          (ii) MOLECULE TYPE: peptide
223          (ix) FEATURE:
224              (A) NAME/KEY: Peptide
225              (B) LOCATION: 1
226              (D) OTHER INFORMATION: /note= "Amino Acid 1 wherein Xaa is
227 Glu or Gly."
229          (ix) FEATURE:
230              (A) NAME/KEY: Peptide
231              (B) LOCATION: 4
232              (D) OTHER INFORMATION: /note= "Amino Acid 4 wherein Xaa is
233 Ser or Arg."
235          (ix) FEATURE:
236              (A) NAME/KEY: Peptide
237              (B) LOCATION: 9
238              (D) OTHER INFORMATION: /note= "Amino Acid 9 wherein Xaa is
239 Glu or Asp."
241          (ix) FEATURE:
242              (A) NAME/KEY: Peptide
243              (B) LOCATION: 11
244              (D) OTHER INFORMATION: /note= "Amino Acid 11 wherein Xaa
245 is Arg or Leu."
247          (x) PUBLICATION INFORMATION:
248              (H) DOCUMENT NUMBER: WO 92/13884
249              (J) PUBLICATION DATE: 20-AUG-1992
251          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 253      Xaa Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys Leu
254          1              5              10              15
256          Gln
258      (2) INFORMATION FOR SEQ ID NO: 6:
260          (i) SEQUENCE CHARACTERISTICS:
261              (A) LENGTH: 17 amino acids

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262      (B) TYPE: amino acid
263      (C) STRANDEDNESS: single
264      (D) TOPOLOGY: linear
266      (ii) MOLECULE TYPE: peptide
268      (ix) FEATURE:
269          (A) NAME/KEY: Peptide
270          (B) LOCATION: 2
271          (D) OTHER INFORMATION: /note= "Amino Acid 2 wherein Xaa is
272 Glu or Gly."
274      (ix) FEATURE:
275          (A) NAME/KEY: Peptide
276          (B) LOCATION: 5
278          (D) OTHER INFORMATION: /note= "Amino Acid 5 wherein Xaa is
279 Ser or Arg."
281      (ix) FEATURE:
282          (A) NAME/KEY: Peptide
283          (B) LOCATION: 10
284          (D) OTHER INFORMATION: /note= "Amino Acid 10 wherein Xaa
285 is Glu or Asp."
287      (ix) FEATURE:
288          (A) NAME/KEY: Peptide
289          (B) LOCATION: 12
290          (D) OTHER INFORMATION: /note= "Amino Acid 12 wherein Xaa
291 is Arg or Leu."
293      (x) PUBLICATION INFORMATION:
294          (H) DOCUMENT NUMBER: WO 92/13884
295          (J) PUBLICATION DATE: 20-AUG-1992
297      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
W--> 299      Gln Xaa Gln Gln Xaa Asp Leu Glu Gln Xaa Arg Xaa Ala Lys Glu Lys
300          1          5          10          15
302      Leu
304      (2) INFORMATION FOR SEQ ID NO: 7:
306          (i) SEQUENCE CHARACTERISTICS:
307              (A) LENGTH: 17 amino acids
308              (B) TYPE: amino acid
309              (C) STRANDEDNESS: single
310              (D) TOPOLOGY: linear
312          (ii) MOLECULE TYPE: peptide
314          (ix) FEATURE:
315              (A) NAME/KEY: Peptide
316              (B) LOCATION: 3
317              (D) OTHER INFORMATION: /note= "Amino Acid 3 wherein Xaa is
318 Glu or Gly."
320          (ix) FEATURE:
321              (A) NAME/KEY: Peptide
322              (B) LOCATION: 6
323              (D) OTHER INFORMATION: /note= "Amino Acid 6 wherein Xaa is
324 Ser or Arg."
326          (ix) FEATURE:

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/837,344

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Input Set : N:\Crf3\RULE60\09837344.txt

Output Set: N:\CRF3\05032001\I837344.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18